

Storm Data and Unusual Weather Phenomena - December 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, South				
FRANKLIN COUNTY --- PLUMFIELD [37.88, -89.00], 1.5 SE ZEIGLER [37.89, -89.03], 1.8 SSW ZEIGLER [37.87, -89.06], 2.4 S ZEIGLER [37.87, -89.06]				
	12/01/11 00:00 CST		1K	Flood (due to Heavy Rain)
	12/11/11 20:00 CST		0	Source: River/Stream Gage
Minor flooding of bottomland fields occurred along the Big Muddy River.				
GALLATIN COUNTY --- SHAWNEETOWN [37.70, -88.13], 2.4 NE SHAWNEETOWN [37.72, -88.10], 2.3 ENE SHAWNEETOWN [37.72, -88.09], 0.3 ESE SHAWNEETOWN [37.70, -88.12]				
	12/01/11 00:00 CST		1K	Flood (due to Heavy Rain)
	12/19/11 16:00 CST		0	Source: River/Stream Gage
Minor flooding occurred on the Ohio River. Bottomland fields and some river access roads were inundated. River recreation facilities such as boat ramps were affected.				
JACKSON COUNTY --- 2.6 NE SAND RIDGE [37.76, -89.40], 1.2 W MT CARBON [37.75, -89.35], 1.6 WNW MT CARBON [37.76, -89.36], 2.5 W MURPHYSBORO [37.77, -89.38]				
	12/01/11 00:00 CST		2K	Flood (due to Heavy Rain)
	12/12/11 21:00 CST		0	Source: River/Stream Gage
Minor flooding of bottomland fields and parks occurred along the Big Muddy River. Access facilities such as boat ramps were affected.				
WHITE COUNTY --- 0.9 S CARMi MUNI ARPT [38.09, -88.15], 2.0 ESE CARMi [38.06, -88.14], 1.8 SSE CARMi [38.06, -88.15], 0.9 E CARMi [38.08, -88.15]				
	12/01/11 05:00 CST		1K	Flood (due to Heavy Rain)
	12/23/11 15:00 CST		0	Source: River/Stream Gage
Minor flooding of low-lying fields occurred along the Little Wabash River. Some county roads were inundated.				
MASSAC COUNTY --- BROOKPORT [37.12, -88.63], 2.6 WNW BROOKPORT [37.13, -88.67], 2.4 WNW BROOKPORT [37.14, -88.67], 0.5 NW BROOKPORT [37.13, -88.64]				
	12/01/11 09:00 CST		1K	Flood (due to Heavy Rain)
	12/20/11 18:00 CST		0	Source: River/Stream Gage
Minor flooding occurred on the Ohio River. Bottomland fields and some parks were inundated, including flood-prone sections of Fort Massac State Park in Metropolis. A few county roads along the river were affected. River recreation facilities such as boat ramps were affected.				
PULASKI COUNTY --- 0.6 ESE OLMSTED [37.18, -89.07], 2.5 SSE NEW GRAND CHAIN [37.22, -89.00], 1.8 S NEW GRAND CHAIN [37.22, -89.02], 0.7 ENE OLMSTED [37.18, -89.07]				
	12/01/11 09:00 CST		1K	Flood (due to Heavy Rain)
	12/20/11 18:00 CST		0	Source: River/Stream Gage
Minor flooding occurred on the Ohio River. At the Grand Chain river gage, the river crested at 46.80 feet on the 15th. Flood stage is 42 feet. Minor flooding of bottomland fields and some park land occurred. A few county roads along the river were affected. River recreation facilities such as boat ramps were affected.				
ALEXANDER COUNTY --- 2.3 ESE CAIRO [36.98, -89.14], 1.4 ESE CAIRO [36.99, -89.16], 1.3 E CAIRO [37.00, -89.16], 2.5 ESE CAIRO [36.99, -89.14]				
	12/02/11 07:00 CST		1K	Flood (due to Heavy Rain)
	12/20/11 18:00 CST		0	Source: River/Stream Gage
Minor flooding occurred on the Ohio River. At the Cairo river gage, the river crested at 43.65 feet on the 6th. Flood stage is 40 feet. Minor flooding of bottomland fields and some park land occurred. River recreation facilities such as boat ramps were affected.				
POPE COUNTY --- GOLCONDA [37.37, -88.48], 0.1 WNW GOLCONDA [37.37, -88.48], 0.9 SSW GOLCONDA [37.36, -88.48], 0.8 S GOLCONDA [37.36, -88.48]				
	12/03/11 15:00 CST		1K	Flood (due to Heavy Rain)
	12/17/11 16:00 CST		0	Source: River/Stream Gage
Minor flooding occurred on the Ohio River. Bottomland fields and some riverside parks were inundated. A few county roads along the river were affected. River recreation facilities such as boat ramps were affected.				

Storm Data and Unusual Weather Phenomena - December 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A slow-moving and complex storm system brought wave after wave of heavy rain during the first week of December. This system along with a handful of other rain events pushed precipitation totals 1 to 3 inches above normal for the month. While no monthly records were broken, the additional rainfall pushed many locations over their annual record rainfall. Paducah, KY ended 2011 with 74.85 inches of rain. This was 7.74 inches above the old record. Many rivers in southern Illinois rose above flood stage in December. The flooding was mostly minor.

WHITE COUNTY --- MAUNIE [38.03, -88.05], 1.8 E MAUNIE [38.03, -88.02], 1.0 SSE RISING SUN [37.99, -88.02], 0.5 SSW RISING SUN [37.99, -88.04]	12/02/11 09:00 CST		0	Flood (due to Heavy Rain)
	12/31/11 23:59 CST		0	Source: River/Stream Gage

Minor flooding occurred along the Wabash River. Several local river roads were flooded. Low-lying fields near the river were flooded.

WABASH COUNTY --- 1.5 E MT CARMEL [38.42, -87.74], 2.0 NE MT CARMEL [38.44, -87.74], 1.8 NE MT CARMEL [38.44, -87.75], 1.3 E MT CARMEL [38.42, -87.75]	12/02/11 11:00 CST		3K	Flood (due to Heavy Rain)
	12/31/11 14:00 CST		0	Source: River/Stream Gage

Minor flooding occurred along the Wabash River in the Mount Carmel area. Water began to flow over River Road just north of Fifth Street in the Mount Carmel area.

Fifth Street that parallels the river was closed. A restaurant along the river also closed. Several local river roads were flooded, a few of which were closed. All oil field production ceased with the exception of pumping units on substructures. Access to these was by boat only. Many river cabins became inaccessible.

December was among the wettest Decembers of record. River flooding continued for the entire month along portions of the Wabash River. The heaviest and most widespread rain event of the month occurred on the 4th and 5th, when 3 to 4 inches was common. After nearly ten days with little or no precipitation, significant rain returned to the Wabash basin by the middle of the month.

ALEXANDER COUNTY --- CAIRO [37.00, -89.18]	12/03/11 20:00 CST		0	Heavy Rain
	12/06/11 02:00 CST		0	Source: COOP Observer

The co-operative observer at Cairo measured a storm-total rainfall of 4.86 inches.

HARDIN COUNTY --- CAVE IN ROCK [37.47, -88.17], ELIZABETHTOWN [37.45, -88.30], KARBERS RIDGE [37.58, -88.33], 2.3 N LAMB [37.56, -88.13]	12/04/11 18:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Trained Spotter

MASSAC COUNTY --- BIG BAY [37.32, -88.72], MERMET [37.27, -88.85], JOPPA [37.20, -88.85], METROPOLIS [37.15, -88.73], BROOKPORT [37.12, -88.63]	12/04/11 18:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Trained Spotter

POPE COUNTY --- GOLCONDA [37.37, -88.48], OLD BROWNFIELD [37.37, -88.60], DIXON SPGS [37.38, -88.68], EDDYVILLE [37.50, -88.58], 1.5 NNW RAUM [37.49, -88.53]	12/04/11 18:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Trained Spotter

PULASKI COUNTY --- KARNAK [37.28, -88.97], ULLIN [37.27, -89.18], MOUNDS [37.12, -89.20], OLMSTED [37.18, -89.08]	12/04/11 18:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Emergency Manager

GALLATIN COUNTY --- SHAWNEETOWN [37.70, -88.13], EQUALITY [37.73, -88.33], OMAHA [37.88, -88.30], 4.6 NE INMAN [37.87, -88.10]	12/04/11 20:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Trained Spotter

A prolonged, widespread heavy rainfall event was associated with a cold front that moved very slowly east across the Lower Ohio Valley. The front became the focus for heavy rain as it nearly stalled across western Kentucky and southwest Indiana. Abundant moisture moved northeast along and just behind the front. This moisture interacted with a series of upper level disturbances to further increase heavy rainfall. A very large and persistent area of moderate rain caused a slow but steady rise in water levels. In the Ohio River counties, rainfall amounts averaged about two inches every 12 hours, resulting in storm-totals from 3 to 5 inches. Small creeks, streams, and ditches reached or exceeded bankful. Numerous roads susceptible to high water problems were flooded. Water levels continued to rise, even after the rain ended. The specific rainfall totals for the entire event from Dec. 3-6 included 4.22 inches at Dixon

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Springs (Pope County), 4.66 at Grand Chain (Pulaski County), and 4.90 at Round Knob (central Massac County).

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE

12/27/11 04:00 CST	0	Winter Weather
12/27/11 10:00 CST	0	

A deepening surface low pressure center tracked northeast from western Tennessee across western Kentucky. Rain changed to snow as colder air was drawn southward toward the track of the low center. Surface temperatures remained at or just above freezing, which limited accumulating snow on roadways. In the heavier bands of snow, accumulations were maximized on bridges and elevated surfaces. Accumulations were generally around an inch, with isolated amounts to 2 inches. A rash of traffic accidents was associated with the snow. The Johnson County Sheriff Department responded to over a half dozen minor accidents due to the snow. One of the more serious accidents involved an SUV that slid off State Route 147 and overturned. There were no injuries.

GALLATIN COUNTY --- SHAWNEETOWN [37.70, -88.13], 2.1 ENE SHAWNEETOWN [37.71, -88.10], 1.9 NE SHAWNEETOWN [37.72, -88.10], 0.4 NNE SHAWNEETOWN [37.71, -88.13]

12/29/11 04:00 CST	0	Flood (due to Heavy Rain)
12/31/11 23:59 CST	0	Source: River/Stream Gage

Minor flooding of low-lying fields occurred along the Ohio River.

The Ohio River rose above flood stage at Shawneetown by the end of the month. Widespread rain accompanied a storm system that passed south of the region on the 26th and 27th.

INDIANA, Southwest

GIBSON COUNTY --- 1.7 NE HAZLETON [38.50, -87.51], 1.7 NNE HAZLETON [38.50, -87.52], 1.2 N HAZLETON [38.50, -87.53], 1.1 NNW HAZLETON [38.49, -87.54], 1.6 NE HAZLETON [38.49, -87.51]

12/01/11 00:00 CST	2K	Flood (due to Heavy Rain)
12/31/11 12:00 CST	0	Source: River/Stream Gage

Minor flooding occurred on the White River in the Hazleton area. High water surrounded residents in river cabins. Oil fields and local river roads were flooded. Most of the low bottomlands flooded, and flooding began in higher bottomlands. Flood gates were installed at Hazleton. Flood waters covered the Hazleton softball field.

PIKE COUNTY --- 0.9 NNW PETERSBURG [38.51, -87.28], 2.2 NE PETERSBURG [38.53, -87.26], 1.9 NE PETERSBURG [38.52, -87.26], 0.5 NNW PETERSBURG [38.51, -87.28]

12/01/11 00:00 EST	2K	Flood (due to Heavy Rain)
12/30/11 12:00 EST	0	Source: River/Stream Gage

Minor flooding occurred on the White River in the Petersburg area. Flooding affected higher bottomlands and a few residents in an area known as Dodge City. Several county roads were flooded. Local roads leading to the Dodge City area were flooded. Low-lying fields around the river were flooded.

GIBSON COUNTY --- EAST MT CARMEL [38.40, -87.73], 1.4 WSW EAST MT CARMEL [38.39, -87.75], 1.4 W EAST MT CARMEL [38.40, -87.76], 1.3 NW EAST MT CARMEL [38.42, -87.74]

12/02/11 11:00 CST	1K	Flood (due to Heavy Rain)
12/31/11 14:00 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Wabash River in the East Mount Carmel area. Flood waters began to affect residents of East Mt. Carmel. Several local river roads were flooded, a few of which were closed. All oil field production ceased with the exception of pumping units on substructures. Access to these was by boat only. Many river cabins became inaccessible. Low-lying fields near the river were flooded.

POSEY COUNTY --- 0.6 WNW NEW HARMONY [38.13, -87.94], 1.0 NNE NEW HARMONY [38.14, -87.93], 1.1 NNE NEW HARMONY [38.14, -87.92], 0.3 NNE NEW HARMONY [38.13, -87.93]

12/02/11 11:00 CST	1K	Flood (due to Heavy Rain)
12/31/11 23:59 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Wabash River in the New Harmony area. Several local river roads were flooded. Low-lying fields near the river were flooded.

December was among the wettest Decembers of record. River flooding continued for the entire month along portions of the Wabash

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and White Rivers. The heaviest and most widespread rain event of the month occurred on the 4th and 5th, when 3 to 4 inches was common. After nearly ten days with little or no precipitation, significant rain returned to the Wabash and White basins by the middle of the month.

POSEY COUNTY --- 1.1 NNE HOVEY [37.91, -87.92], 1.1 NE HOVEY [37.91, -87.91], 0.4 S MT VERNON [37.92, -87.90], 0.6 SW MT VERNON [37.92, -87.91]

12/01/11 00:00 CST	1K	Flood (due to Heavy Rain)
12/17/11 16:00 CST	0	Source: River/Stream Gage

Minor flooding of the Ohio River occurred. Low-lying fields were underwater. Farmland and some roads were flooded in places southwest and west of Mt. Vernon.

WARRICK COUNTY --- 1.5 ESE NEWBURGH [37.94, -87.40], 2.6 ESE NEWBURGH [37.93, -87.38], 2.5 ESE NEWBURGH [37.94, -87.38], 1.4 ESE NEWBURGH [37.94, -87.40]

12/01/11 00:00 CST	0	Flood (due to Heavy Rain)
12/15/11 16:00 CST	0	Source: River/Stream Gage

Minor flooding of the Ohio River occurred. Low-lying fields were underwater.

GIBSON COUNTY --- 1.5 S PATOKA [38.40, -87.58], 0.9 S PATOKA [38.41, -87.58], 3.3 ESE PATOKA [38.40, -87.52], 3.3 SE PATOKA [38.39, -87.53]

12/05/11 06:00 CST	1K	Flood (due to Heavy Rain)
12/17/11 14:00 CST	0	Source: River/Stream Gage

Moderate flooding of low-lying fields occurred along the Patoka River.

A slow-moving and complex storm system brought wave after wave of heavy rain during the first week of December. This system along with a handful of other rain events pushed precipitation totals 1 to 3 inches above normal for the month. While no monthly records were broken, the additional rainfall pushed many locations over their annual record rainfall. Evansville, IN ended 2011 with 70.03 inches of rain. This broke the old record of 66.18 inches set in 2006. The Ohio and Patoka Rivers rose above flood stage in December. The flooding was mostly minor.

WARRICK COUNTY --- YANKEETOWN [37.92, -87.30], NEWBURGH [37.95, -87.42], ELBERFELD [38.17, -87.45], LYNNVILLE [38.20, -87.30], TENNYSON [38.08, -87.12]

12/04/11 15:00 CST	0	Flood (due to Heavy Rain)
12/06/11 09:00 CST	0	Source: Trained Spotter

POSEY COUNTY --- POSEYVILLE [38.17, -87.78], NEW HARMONY [38.13, -87.93], 3.5 WNW HOVEY [37.91, -87.99], MT VERNON [37.93, -87.90]

12/04/11 20:00 CST	0	Flood (due to Heavy Rain)
12/06/11 09:00 CST	0	Source: Trained Spotter

VANDEBURGH COUNTY --- EVANSVILLE [37.98, -87.55], 0.7 NW HOWELL [37.98, -87.64], ST JOSEPH [38.07, -87.65], MC CUTCHANVILLE [38.07, -87.53]

12/04/11 20:00 CST	0	Flood (due to Heavy Rain)
12/06/11 09:00 CST	0	Source: Trained Spotter

SPENCER COUNTY --- ROCKPORT [37.88, -87.05], CHRISNEY [38.02, -87.03], 4.6 WNW MIDWAY [38.02, -87.21], HATFIELD [37.90, -87.22]

12/05/11 15:00 CST	0	Flood (due to Heavy Rain)
12/06/11 09:00 CST	0	Source: Trained Spotter

A prolonged, widespread heavy rainfall event was associated with a cold front that moved very slowly east across the Lower Ohio Valley. The front became the focus for heavy rain as it nearly stalled across western Kentucky and southwest Indiana. Abundant moisture moved northeast along and just behind the front. This moisture interacted with a series of upper level disturbances to further increase heavy rainfall. A very large and persistent area of moderate rain caused a slow but steady rise in water levels. In the Ohio River counties, rainfall amounts averaged about two inches every 12 hours, resulting in storm-totals from 3 to 4 inches. Small creeks, streams, and ditches reached or exceeded bankful. Numerous roads susceptible to high water problems were flooded. Water levels continued to rise, even after the rain ended. Specific rainfall totals for the entire event from Dec. 3-6 included 3.40 inches at the Evansville Airport and 3.41 at Newburgh.

(IN-Z081) GIBSON, (IN-Z085) POSEY

12/27/11 05:00 CST	0	Winter Weather
12/27/11 11:00 CST	0	

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A deepening surface low pressure center tracked northeast from western Tennessee across western Kentucky. Rain changed to snow as colder air was drawn southward toward the track of the low center. Surface temperatures remained at or just above freezing, which limited accumulating snow on roadways. In the heavier bands of snow, accumulations were maximized on bridges and elevated surfaces. Accumulations were generally around an inch north and west of the Evansville metro area. Accidents were reported, including some along Interstate 64 and U.S. Highway 41.

KENTUCKY, Southwest

MUHLENBERG COUNTY --- PARADISE [37.27, -86.98], 2.3 SE MARTWICK [37.31, -86.99], 2.1 SE MARTWICK [37.31, -87.00], 0.4 WNW PARADISE [37.27, -86.99]

12/01/11 00:00 CST	1K	Flood (due to Heavy Rain)
12/14/11 16:00 CST	0	Source: River/Stream Gage

Moderate flooding of low-lying fields occurred along the Green River. Some river access roads were flooded.

UNION COUNTY --- 1.8 N UNIONTOWN [37.80, -87.93], 0.7 NW UNIONTOWN [37.78, -87.94], 0.6 N UNIONTOWN [37.78, -87.93], 1.6 NNE UNIONTOWN [37.79, -87.92]

12/01/11 00:00 CST	1K	Flood (due to Heavy Rain)
12/18/11 12:00 CST	0	Source: River/Stream Gage

Minor flooding of low-lying fields occurred along the Ohio River. The road to several farms was flooded.

MCCLEAN COUNTY --- CALHOUN [37.53, -87.27], 1.3 WNW CALHOUN [37.54, -87.29], 1.3 W CALHOUN [37.53, -87.29], 0.3 SSE CALHOUN [37.53, -87.27]

12/02/11 05:00 CST	1K	Flood (due to Heavy Rain)
12/12/11 12:00 CST	0	Source: River/Stream Gage

Minor flooding of low-lying fields occurred along the Green River. Some river access roads were flooded.

MCCRACKEN COUNTY --- 0.9 WNW ROWLANDTOWN [37.10, -88.65], 2.8 NNE GRAHAMVILLE [37.14, -88.76], 3.6 NE GRAHAMVILLE [37.14, -88.74], 1.4 NW ROWLANDTOWN [37.12, -88.65]

12/05/11 06:00 CST	1K	Flood (due to Heavy Rain)
12/16/11 14:00 CST	0	Source: River/Stream Gage

Minor flooding of low-lying fields occurred along the Ohio River. Some park land, river access roads, and boat ramps were flooded in and near Paducah.

A slow-moving and complex storm system brought wave after wave of heavy rain during the first week of December. This system along with a handful of other rain events pushed precipitation totals 1 to 3 inches above normal for the month. While no monthly records were broken, the additional rainfall pushed many locations over their annual record rainfall. Paducah, KY ended 2011 with 74.85 inches of rain. This was 7.74 inches above the old record. The Ohio and Green Rivers rose above flood stage in December. The flooding was mostly minor.

(KY-Z017) CHRISTIAN

12/01/11 03:00 CST	0	Freezing Fog
12/01/11 08:00 CST	0	

Patchy dense freezing fog contributed to a fatal accident on the Kentucky Highway 1682 bypass near Hopkinsville. A 62-year-old woman was killed when she lost control of the truck she was driving. The truck appeared to slide on black ice as it crossed a bridge, then slid down an embankment. A passenger in the truck sustained multiple injuries. High pressure was centered from the Tennessee Valley to the central Appalachians. Conditions were favorable for fog near and under this high pressure system.

BALLARD COUNTY --- BANDANA [37.15, -88.95], WICKLIFFE [36.97, -89.08], LOVELACEVILLE [36.97, -88.82], KEVIL [37.08, -88.90]

12/04/11 14:00 CST	0	Flood (due to Heavy Rain)
12/06/11 09:00 CST	0	Source: Emergency Manager

Flooding from Clanton Creek completely covered a small old bridge on a rural secondary road near Bandana. Other small roads near Clanton Creek were flooded.

MCCRACKEN COUNTY --- PADUCAH [37.08, -88.63], REIDLAND [37.02, -88.53], LONE OAK [37.03, -88.67], WOODVILLE [37.10, -88.88]

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	12/04/11 14:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Trained Spotter
CARLISLE COUNTY --- ARLINGTON [36.78, -89.02], BARDWELL [36.87, -89.02], CUNNINGHAM [36.92, -88.88], MILBURN [36.80, -88.88]				
	12/04/11 18:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
CRITTENDEN COUNTY --- TOLU [37.43, -88.25], MARION [37.33, -88.08], DYCUSBURG [37.15, -88.18], SHERIDAN [37.35, -88.20]				
	12/04/11 18:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
FULTON COUNTY --- FULTON [36.52, -88.87], HICKMAN [36.57, -89.18], SASSAFRAS RIDGE [36.55, -89.33], STATE LINE [36.52, -89.12]				
	12/04/11 18:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
GRAVES COUNTY --- MAYFIELD [36.73, -88.63], FANCY FARM [36.80, -88.78], WINGO [36.65, -88.73], SEDALIA [36.65, -88.60], SYMSONIA [36.92, -88.52]				
	12/04/11 18:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
At least 5 state roads were closed or marked with high water signs.				
HICKMAN COUNTY --- BEULAH [36.77, -88.85], COLUMBUS [36.77, -89.10], CLINTON [36.67, -88.98], BEELERTON [36.60, -88.87]				
	12/04/11 18:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
LIVINGSTON COUNTY --- SMITHLAND [37.13, -88.40], CARRSVILLE [37.40, -88.38], TILINE [37.18, -88.27], GRAND RIVERS [37.00, -88.23]				
	12/04/11 18:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
MARSHALL COUNTY --- CALVERT CITY [37.03, -88.35], BREWERS [36.77, -88.43], FAIRDEALING [36.85, -88.23], GILBERTSVILLE [37.02, -88.28]				
	12/04/11 18:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
At least 5 county roads were closed, and high water was over two others.				
HENDERSON COUNTY --- HENDERSON [37.83, -87.58], SMITH MILLS [37.80, -87.77], CORYDON [37.73, -87.70], ZION [37.82, -87.48]				
	12/04/11 20:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
UNION COUNTY --- UNIONTOWN [37.77, -87.93], STURGIS [37.55, -87.98], MORGANFIELD [37.68, -87.92], BOXVILLE [37.63, -87.83]				
	12/04/11 20:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
CALLOWAY COUNTY --- ALMO [36.70, -88.27], MURRAY [36.62, -88.32], NEW CONCORD [36.55, -88.15], HARRIS GROVE [36.57, -88.42]				
	12/04/11 23:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
LYON COUNTY --- CARMACK [37.02, -88.12], EDDYVILLE [37.05, -88.07], 2.3 ENE KUTTAWA [37.09, -88.08], KUTTAWA [37.07, -88.12]				
	12/04/11 23:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
TRIGG COUNTY --- BUFFALO [36.93, -87.67], ROCKCASTLE [36.90, -87.97], GOLDEN POND [36.78, -88.02], CADIZ [36.87, -87.82]				
	12/04/11 23:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways

Storm Data and Unusual Weather Phenomena - December 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CALDWELL COUNTY --- PRINCETON [37.12, -87.87], FREDONIA [37.20, -88.07], BLACK HAWK [36.97, -87.87], COBB [36.98, -87.77]				
	12/05/11 15:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
CHRISTIAN COUNTY --- (HOP)FT CAMPBELL AAF [36.67, -87.50], GRACEY [36.87, -87.65], MANNINGTON [37.13, -87.48], PEMBROKE [36.78, -87.35]				
	12/05/11 15:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Trained Spotter
DAVISS COUNTY --- OWENSBORO [37.77, -87.12], STANLEY [37.82, -87.25], WEST LOUISVILLE [37.70, -87.28], UTICA [37.62, -87.12], MASONVILLE [37.67, -87.03]				
	12/05/11 15:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Trained Spotter
A total of 25 roads were closed, most of which were secondary or side roads.				
HOPKINS COUNTY --- DAWSON SPGS [37.17, -87.70], NORTONVILLE [37.20, -87.47], MADISONVILLE [37.33, -87.50], NEBO [37.38, -87.65]				
	12/05/11 15:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Trained Spotter
At least 5 state highways and 3 county roads were closed.				
MCCLEAN COUNTY --- BEECH GROVE [37.62, -87.40], 1.1 SSW GLENNVILLE [37.58, -87.21], LIVERMORE [37.48, -87.13], SACRAMENTO [37.42, -87.27]				
	12/05/11 15:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
At least 7 roads were closed, mostly in the Livermore area.				
MUHLENBERG COUNTY --- ROSEWOOD [37.08, -87.08], BEECHMONT [37.18, -87.03], CENTRAL CITY [37.30, -87.13], GREENVILLE [37.20, -87.18]				
	12/05/11 15:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
TODD COUNTY --- ALLEGRE [36.93, -87.22], ELKTON [36.82, -87.15], GUTHRIE [36.65, -87.17], TRENTON [36.72, -87.27]				
	12/05/11 15:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways
WEBSTER COUNTY --- PROVIDENCE [37.40, -87.77], DIXON [37.52, -87.70], SEBREE [37.60, -87.53], SLAUGHTERS [37.48, -87.50]				
	12/05/11 15:00 CST		0	Flood (due to Heavy Rain)
	12/06/11 09:00 CST		0	Source: Department of Highways

Street flooding was widespread in downtown Slaughters.

A prolonged, widespread heavy rainfall event was associated with a cold front that moved very slowly east across the Lower Ohio Valley. The front became the focus for heavy rain as it nearly stalled across western Kentucky and southwest Indiana. Abundant moisture moved northeast along and just behind the front. This moisture interacted with a series of upper level disturbances to further increase heavy rainfall. A very large and persistent area of moderate rain caused a slow but steady rise in water levels. Rainfall amounts averaged about two inches every 12 hours, resulting in storm-totals from 4 to 5 inches. Small creeks, streams, and ditches reached or exceeded bankful. Numerous roads susceptible to high water problems were closed or impassable. Major roads that were closed included portions of U.S. Highway 45 and Kentucky Highway 58 in Graves County, a segment of U.S. Highway 62 in Carlisle County, Kentucky 131 at the McCracken/Graves County line, Highway 94 in Fulton County, Kentucky 762 in Daviess County, Kentucky 138 in Webster County, a portion of U.S. 60 in Union County, and three miles of U.S. Highway 60 in Henderson County. Most other closed roads were smaller secondary or county roads. Major roads that were marked with high water signs included: U.S. 641 just north of Hazel in Calloway County, Kentucky Highways 80 and 307 in Hickman County, U.S. 51 in Hickman County, U.S. Highways 62 and 41 in Hopkins County, and the Pennyriple Parkway off-ramp at Mannington. Dozens of other county or poorly-travelled state roads across the region were marked with high water signs. Some larger streams and small rivers flooded, including the Clarks River in Calloway and Marshall Counties. Several roads near the Clarks River were closed or marked with high water signs. Water levels continued to rise, even after the rain ended. Rainfall totals for the entire event from late on Dec. 3 to early Dec. 6 included: 5.02 inches at Paducah, 4.94 at both Benton and Calvert City (Marshall County), 4.80 at Golden Pond (Land Between The Lakes National Recreation Area), 4.06 at Canton (Trigg County), and 3.97 at Calhoun (McLean County).

Storm Data and Unusual Weather Phenomena - December 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MISSOURI, Southeast				
BUTLER COUNTY --- POPLAR BLUFF [36.75, -90.40]				
	12/03/11 20:00 CST		0	Heavy Rain
	12/06/11 02:00 CST		0	Source: ASOS
A total of 3.29 inches was measured by the automated observing system at the airport.				
CAPE GIRARDEAU COUNTY --- (CGI)CAPE GIRARDEAU [37.23, -89.57]				
	12/03/11 20:00 CST		0	Heavy Rain
	12/06/11 02:00 CST		0	Source: ASOS
A rainfall total of 3.24 inches was measured by the airport automated observing system.				
MISSISSIPPI COUNTY --- BIRDS PT [36.97, -89.15]				
	12/03/11 20:00 CST		0	Heavy Rain
	12/06/11 02:00 CST		0	Source: Mesonet
A total of 4.19 inches was reported by the automated rain gage.				
NEW MADRID COUNTY --- NEW MADRID [36.60, -89.53]				
	12/03/11 20:00 CST		0	Heavy Rain
	12/06/11 02:00 CST		0	Source: COOP Observer
A total of 4.24 inches was reported by the co-operative observer.				
SCOTT COUNTY --- COMMERCE [37.15, -89.45]				
	12/03/11 20:00 CST		0	Heavy Rain
	12/06/11 02:00 CST		0	Source: COOP Observer
A total of 4.22 inches was reported by the automated rain gage.				
<p>A prolonged, widespread heavy rainfall event was associated with a cold front that moved very slowly east across the Lower Ohio Valley. The front became the focus for heavy rain as it nearly stalled across western Kentucky and southwest Indiana. Abundant moisture moved northeast along and just behind the front. This moisture interacted with a series of upper level disturbances to further increase heavy rainfall. Rainfall amounts averaged about two inches every 12 hours, resulting in storm-totals from 3 to 4 inches along and southeast of a Poplar Bluff to Cape Girardeau line. Small creeks, streams, and ditches approached bankful, but no flooding was reported.</p>				
(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU				
	12/27/11 04:00 CST		0	Winter Weather
	12/27/11 08:00 CST		0	
<p>A deepening surface low pressure center tracked northeast from western Tennessee across western Kentucky. Rain changed to snow as colder air was drawn southward toward the track of the low center. Surface temperatures remained at or just above freezing, which limited accumulating snow on roadways. In the heavier bands of snow, accumulations were maximized on bridges and elevated surfaces. Accumulations were generally around an inch along and north of a Cape Girardeau to Marble Hill line.</p>				